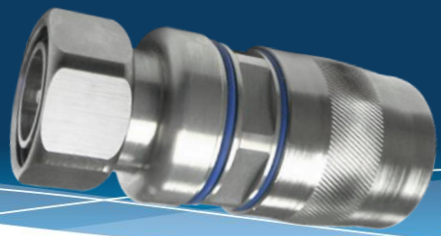


UPL-DM-78



UPL-DM-78 DATA SHEET

7-16 DIN Male Connector for 7/8" Plenum Cable

| Mechanical | Specification | Comment |
|---|--|---|
| Pull Force Combined | > 350 lbs 1.56 kN | Cable limited |
| Cable/Connector Torque | 16 ft-lbs 21.7 N-m | Cable limited |
| Interface Durability | 500 Cycles | |
| Electrical | Specification | Comment |
| Frequency Range | DC to 5 GHz | |
| Impedance | 50Ω Nominal | |
| Average Return Loss (VSWR) DTF | > -40dB (1.02) 0-1 GHz, > -36dB (1.03) 1-2 GHz, > -32dB (1.05) 2-4 GHz, -28dB (1.08) 4-5 GHz | As per Anatel 75 |
| Insertion Loss | < .1∠F(GHz) | |
| 3rd Order IMD | -153 dBc minimum, -160 dBc typical | As per IEC 62037-2, -3 |
| Voltage Withstand | > 3.0 kV | |
| Shielding Effectiveness | < -120dB | 0-1 GHz |
| Insulation Resistance | 10GΩ initial, 100MΩ after conditioning | |
| Environmental | Specification | Comment |
| Operating Temperature/Storage Temperature | -55°C to +85°C / -55°C to +85°C | |
| Interface Moisture | No leakage, mated or unmated > 1.0 Bar | |
| Moisture Ingress | No leakage | ANSI/SCTE60 2004, IP-67, IP-68, IEC 60529 |
| Corrosion Resistance | 1000 Hours | |
| H.A.L.T. | 40 Hours | |
| General | Specification | Comment |
| Cable Supported | Andrew HJ5-50, HJ5RP-50, HJ5RPV-50, RFS HCA78-50J, -50JB, -50JFN, -50JPL, -50JT | |
| Weight | .629 lbs. 285g | |
| WPS Weather Protection | WPS-5, WPS-78P, WPS-ADP-78-158 | |
| Length | 2.815" 71.5mm | |
| Outer Diameter | 1.490" 26.4mm | |
| Hex Width | 1.25" 32mm | |
| Tools | Specification | Comment |
| Cable Preparation | SP-78PL | |
| Connector Compression | HCG-FRAMESET-78, HCG-CC | Insert A |
| Torque Wrench | TQ-114-F18 | 18 ft-lbs 24.4 N-m |